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CARDIAC IMAGING SYSTEM AND METHOD FOR QUANTIFICATION OF DESYNCHRONY OF VENTRICLES FOR BIVENTRICULAR PACING

Abstract

A method for quantifying cardiac desynchrony of the right and left ventricles includes obtaining cardiac acquisition data from a medical imaging system, and determining a movement profile from the cardiac acquisition data. The movement profile is directed toward identifying at least one of a time-based contraction parameter for a region of the left ventricle (LV), and a displacement-based contraction parameter for a region of the LV. The determined movement profile is visually displayed by generating a 3D model therefrom.